

NGA review(s) completed.

**SECRET**  
(When Filled In)

|   |  |   |          |
|---|--|---|----------|
| <b>AUTHORIZATION TO EXPEND FUNDS<br/>FROM OTHER COMPONENTS ALLOTMENTS</b>   |  | DATE<br><b>6 April 1964</b>             |          |
| TO : Assistant Director, CSA-DD/S&T<br>THRU : Chief, Budget & Finance Branch, CSA-DD/S&T<br>ATTN : Chief, Contracts Division, CSA-DD/S&T<br><br>SUBJECT : Request for Covert Contract<br><br>REFERENCE:   |  |   |          |
| SUPPORT, OR SERVICES, TO BE PROVIDED  |  |   |          |
| <p>1. It is requested that a new task be added to the existing contract with [redacted] to cover their part of the work to be performed jointly by staff members of NPIC, [redacted] and [redacted]</p> <p>2. Project will cover determination of relationship between P.I. target identification and factors as well as objectives outlined in memorandum from the Assistant for Plans and Development dated 29 March 1964, bearing the approving signature of the Executive Director, NPIC dated 1 April 1964, copy attached.</p> <p>3. The amount of [redacted] has been obligated for the period 16 March through 30 June 1964 and is to be costed to the allotment number and obligation reference number cited below. A clause in the contract should provide an option for 1965 FY renewal.</p> <p>4. It is requested that one copy of the contract and correspondence pertinent to this contract be forwarded to NPIC/AS/LB.</p> <p><b>Distribution:</b><br/>         Orig. + 2 - Addressee<br/>                   1 - B&amp;F Branch<br/>                   ✓ 1 - P&amp;DS<br/>                   1 - Requisition Folder<br/>                   1 - Requisitioning &amp; Procurement Folder<br/>                   1 - Chrono</p> <p>NPIC/AS/[redacted] (6 April 1964)</p> |  |   |          |
| CHARGEABLE TO   |  | IF CHARGEABLE TO ACCOUNT NO. 144.1      |          |
| PROJECT   |  | FORWARD RECEIPTS SUPPORTING EXPENSES TO |          |
| ALLOTMENT NO.<br><b>4155-1030-6000</b>  |  | ROOM NO.                                | BUILDING |
| OBLIGATION REFERENCE <b>2739-04</b>   |  | EXTENSION                               |          |
| A. EXPENSE  |  | B. 144.1 ACCOUNT                        |          |
| SIGNATURE OF ACCOUNTABLE OFFICER  |  | SIGNATURE OF DIVISION CHIEF             |          |
| Funds Available   |  | CONCURRENCE                             |          |
| SIGNATURE   |  | SIGNATURE FOR FINANCE DIVISION          |          |

Statement of Work March 16 to June 30, 1964

5X1

The primary objective of the work is to specify P.I. identification performance as a function of ground resolutions, using photography of real conditions such as military targets, proper scale, focal length, etc. A secondary objective is to specify P.I. identification performance as a function of parameters such as stereo vs. non stereo, atmospheric haze, modulation transfer function-granularity relation, and other factors which are considered worthy of study and feasible.

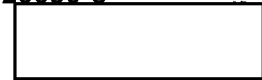
During the period 16 March to June 30, 1964, we plan to actively pursue the following tasks, in chronological order:

1. Obtain ordered list of targets (scene-objects). *RCW*
2. Obtain listing of availability of desired targets in the U.S. *RCW*
3. Formulate in detail the experimental design required to achieve the project objectives.
4. Request photography of certain targets under specified conditions, *RCW* and monitor this effort.
5. Begin preparation of GEMS.
6. Begin preparation of performance measures.
7. Submit a detailed statement of work, cost estimate and schedule for work to be performed during 1 July 1964 to 30 June 1965.
8. Data from the study recently concluded by NPIC, [ ] will be subjected to an error analysis. A report will be prepared describing the results.

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The study will be a joint effort among NPIC, [ ] will assume responsibility for direction and execution of the work with guidance from NPIC in establishment of objectives.

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## List of Priority Target Categories

from:  
1. Condor list  
2. Begins. '62.  
3. questionnaire to  
P.I.S.

|          |   |  |
|----------|---|--|
| Priority | 1 | Missiles   |
|          |   | ICBM<br>MRBM<br>SAM  |
|          | 2 | Electronics  |
|          |   | Antennas<br>Antenna Farms<br>Military Vans<br>Missile Instrumentation<br>Interferometers |
|          | 3 | Airfields and aircraft   |
|          |   | Long range with nuclear storage facilities   |
|          | 4 | Power  |
|          |   | Thermo-electric<br>Nuclear<br>Hydroelectric<br>Substations<br>Transmission lines         |
|          |   | Storage  |
|          |   | Ammunition<br>Military<br>Missile<br>A/E   |
|          |   | Transportation   |
|          |   | Roads<br>Bridges<br>Vehicles<br>Shipping<br>Port Facilities                              |

excluded because  
of limited U.S. target  
areas for war.  
Inventory included as  
it will be obtained  
concerning to  
these listed.

TOP SECRET

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PAGE 1 OF 1 PAGES

MEMORANDUM FOR : Chief, CIA/PID(NPIC) \* 3N121, [REDACTED]

FROM : NPIC (AGENCY) PDS (DIVISION) [REDACTED] (REQUESTOR'S NAME AND PHONE)

SUBJECT : REQUEST FOR PHOTOGRAPHIC INTERPRETATION/SERVICES.

REFERENCE : PID/31/64 (REQUESTOR'S REQUIREMENT NO.) 20 March 1964 (DATE)

1. NA (COUNTRY) NA (PLACE NAME) NA (COORDINATES) NA (WAC)

2. BACKGROUND INFORMATION : (INCLUDE DEGREE OF URGENCY AND ANY FACTS BEARING THEREON, DESCRIPTION OF INSTALLATION OR ACTIVITY, PERTINENT REFERENCE, ENCLOSURES, ETC.)

a. [REDACTED] and NPIC are coordinating in a study to determine the relationship between P.I. target identification performance and various technical factors. It is anticipated that study of this relationship will require about 18 months.

b. Priority 1: The nature of this study requires immediate support as need arises.

c. The services of [REDACTED] and several P.I.'s will be needed at various times during this project.

d. References: (1) Statement of work [REDACTED]  
(2) Statement of Work [REDACTED]  
(3) Memorandum PS-68/64, 12 March 1964

3. SPECIFIC PHOTOGRAPHIC INTERPRETATION REQUESTED:

Provide the support and personnel as needed for the successful completion of the [REDACTED] NPIC Study.

SIGNATURE

| TO BE FILLED IN BY NPIC SECRETARIAT<br>RECOMMENDED ACTION |            |           |              |  |
|---|------------|-----------|--------------|--|
| PROJ. :   | NAT'L ( )  | DEPT. ( ) | DETACHMENT : |  |
| CATEGORY :  | PRIORITY : |           |              |  |
| WEIGHT  |            |           | TOTAL        |  |
| COMMENTS :  |            |           |              |  |
| CHAIRMAN OF SECRETARIAT<br>SIGNATURE AND DATE             |            |           |              |  |

| TO BE FILLED IN BY NPIC ADVISORY COMMITTEE<br>50642-64 |           |                       |
|--|-----------|-----------------------|
| PROJ. :  | NAT'L ( ) | DEPT. (X) NO. 0542-64 |
| APPROVED PRIORITY                                      |           |                       |
| DATE 25 March  |           |                       |
| COMMENTS : PS  |           |                       |
| SIGNATURE : [Signature]                                |           |                       |

NAME OF PROJ. CHAIRMAN:

TOP SECRET

NOTE: Questions regarding the content or status of this requirement should be directed to the Requirements Section, CIA/PID(NPIC) [REDACTED]

Statement of Work March 16 to June 30, 1964



The primary objective of the work is to specify P.I. identification performance as a function of ground resolutions, using photography of real conditions such as military targets, proper scale, focal length, etc. A secondary objective is to specify P.I. identification performance as a function of parameters such as stereo vs. non stereo, atmospheric haze, modulation transfer function-granularity relation, and other factors which are considered worthy of study and feasible.

During the period 16 March to June 30, 1964, we plan to actively pursue the following tasks, in chronological order:

1. Obtain ordered list of targets (scene-objects).
2. Obtain listing of availability of desired targets in the U.S.
3. Formulate in detail the experimental design required to achieve the project objectives.
4. Request photography of certain targets under specified conditions, and monitor this effort.
5. Begin preparation of GEMS.
6. Begin preparation of performance measures.
7. Submit a detailed statement of work, cost estimate and schedule for work to be performed during 1 July 1964 to 30 June 1965.
8. Data from the study recently concluded by NPIC, [redacted] will be subjected to an error analysis. A report will be prepared describing the results.

The study will be a joint effort among NPIC, [redacted] will assume responsibility for direction and execution of the work with guidance from NPIC in establishment of objectives.

Statement of Work and Cost Estimate

Submitted by:

[Redacted]

For the Period:  
March 16 to June 30, 1964

The ultimate objective of the work, which will be performed jointly by staff members of NPIC, [Redacted] will be to determine the relation between photo interpreter (P.I.) target identification performance and such factors as ground resolution, image modulation and granularity, atmospheric haze, and receiving conditions. The results of the work should aid NPIC, and other interested parties in making practical decisions regarding which systems to use and which viewing devices and receiving techniques to employ.

It is expected that the work will require approximately 18 months to complete. However, this proposal is only for the first, and perhaps the most critical, phase of the work. In this phase, [Redacted] will do the following:

1. Analyze more fully the data obtained in the study recently conducted by NPIC, [Redacted] and prepare a report of that analysis.
2. Design the future experimental studies so that the photography to be used in them can be fully specified in terms of the types of targets required and the conditions under which the photographs are to be taken and processed.
3. Develop, as soon as the required photography has been obtained, measures of P.I. target identification performance.
4. Prepare a work statement and cost estimate for the subsequent phases of work.

In general terms, [Redacted] will be responsible for preparing the detailed experimental and statistical design of the studies and for the data analysis. [Redacted] will share with NPIC and [Redacted] the responsibility for the initial planning of each study, the experimental data collection, and the report preparation. The feasibility of such an arrangement was demonstrated during the conduct of the study recently concluded.